

03050103-080

(Camp Creek)

General Description

Watershed 03050103-080 is located in Lancaster County and consists primarily of **Camp Creek** and its tributaries. The watershed occupies 26,307 acres of the Piedmont region of South Carolina. The predominant soil types consist of an association of the Helena-Pacolet-Cecil series. The erodibility of the soil (K) averages 0.24; the slope of the terrain averages 10%, with a range of 2-25%. Land use/land cover in the watershed includes: 88.5% forested land, 7.6% agricultural land, 3.0% scrub/shrub land, 0.6% barren land, 0.2% forested wetland, and 0.1% water.

Camp Creek originates near the City of Lancaster and accepts the drainage of Dry Creek before flowing into Cedar Creek Reservoir. There are several recreational ponds (totaling 35.0 acres) and a total of 65.0 stream miles in this watershed, all classified FW.

Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
CW-084	BIO	FW	CAMP CREEK AT S-29-20
CW-235	W	FW	CAMP CREEK AT SC 97

Camp Creek - There are two monitoring sites along Camp Creek. Aquatic life uses are fully supported at the upstream site (**CW-084**) based on macroinvertebrate community data. At the downstream site (**CW-235**), aquatic life uses are fully supported, but recreational uses are partially supported due to fecal coliform bacteria excursions.

Nonpoint Source Management Program

Land Disposal Activities

Landfill Facilities

SOLID WASTE LANDFILL NAME	PERMIT #
FACILITY TYPE	STATUS
LANCASTER COUNTY LANDFILL	291001-1101 (DWP-120)
MUNICIPAL	CLOSED
LANCASTER COUNTY LANDFILL	291001-1201
MUNICIPAL	-----
CITY OF LANCASTER TRANS. STA. & LANDFILL	291003-6001 (DWP-025)
MUNICIPAL	CLOSED

Growth Potential

Crescent Resources, the real estate arm of Duke Energy, plans to develop a large mixed-use community along Fishing Creek Reservoir, and would affect a portion of this watershed. The development would extend from S.C. Hwy. 9 down to S.C. Hwy. 200, within Lancaster County. The

intention of the development company is to create “Catawba Ridge”, a 16,000 home, densely populated residential area, that would include commercial and industrial uses.

Watershed Protection and Restoration

Total Maximum Daily Loads (TMDLs)

A TMDL for fecal coliform has been developed by DHEC and approved by EPA for **Camp Creek** water quality monitoring site CW-235. The TMDL states that a 44% reduction in fecal coliform loading from agricultural lands is necessary for the stream to meet the recreational use standard. Implementation of this nonpoint source TMDL will include the use of voluntary best management practices (BMPs). Grant funding through DHEC may be available to aid in BMP implementation.

Special Projects

NPS Assessment and TMDL for Phosphorus in the Catawba River Basin

SCDHEC has contracted with the University of South Carolina to quantify relationships between land use and water quality in the Catawba River Basin. The project will evaluate these relationships using the WARMF model, which will be used to develop a TMDL for total phosphorus in Fishing Creek Reservoir, Cedar Creek Reservoir, and Lake Wateree. The TMDL is being developed in cooperation with the North Carolina Division of Water Quality and will involve stakeholders in the basin. Additional information about the TMDL development process can be found in Appendix B.